Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control pumber. Complete if Known titute for form 1449A/PTO 10/614,765 **Application Number** INFORMATION DISCLOSURE July 7, 2003 **Filing Date** STATEMENT BY APPLICANT Paul C. Kocher First Named Inventor 2134 **Group Art Unit** Gregory Allan Morse (use as many sheets as necessary) Examiner Name 44424162-8736 Sheet of | 1 **Attorney Docket Number** U.S. PATENT DOCUMENTS Pages, Columns, Lines, Document Number **Publication Date** Name of Patentee or Examiner Cite Where Relevant Passages or Applicant of Cited Document No.1 MM-DD-YYYY Number-Kind Code^{2 (# known)} Initials* Relevant Figures Appear Cliff D. Ross et al. 5,903,650 5-11-1999 FOREIGN PATENT DØCUMENTS Pages, Columns, Lines, Publication Date Te Foreign Patent Number Name of Patentee or Cite No.1 Examiner Where Relevant Passages or MM-DD-YYYY Applicant of Cited Document Relevant Figures Appear Initials* Country Code³ Number⁴ Kind Code⁵ (if known) Jonathan B. Allen 02/07-1996 EP 0 696 121 A1 07-09-1998 Lawrence Leske WO 98/29869 12-23-1998 Techwave, Inc. WO 98/58306

WO 00/21087 Matsushita Electric 04-13-2000 Industrial Co. Ltd. WO 00/31964 06-02-2000 Telefonaktiebolaget LM Ericsson Microsoft Corp. WO 00/59152 10-05-2000 WO 01/13571 X1 02-22-2001 Microsoft Corp.

Date Examiner 5/2H/07 Considered Signature

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unque citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce. P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

SEP 1 9 2006

Sheet

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

1 of 1

Cc	omplete if Known
Application Number	10/614,765
Filing Date	July 7, 2003
First Named Inventor	Paul C. Kocher
Group Art Unit	2134
Examiner Name	Jacques H. Louis Jacques
Attorney Docket Number	44424162-8736

U.S. PATENT DOCUMENTS							
Examiner Cite		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or		
Initials*	No. ¹	Number-Kind Code ^{2 (if known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Figures Appear		
38		US 4,890,319	12/26/1989	Seth-Smith et al.			
		US 5,172,413	12/15/1992	Bradley et al.			
		US 5,889,919	03/30/1999	Inoue et al.			
		US 6,064,967	05/16/2000	Speicher			
		US 6,314,565	11/06/2001	Kenner et al.			
		US 6,487,663	11/26/2002	Jaisimha et al.			
		US 6,957,343	10/18/2005	Ripley et al.			
V		US 2002/0026638 A1	02/28/2002	Eldering et al.			
					·		

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Number Country Code ³ Number Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τe	

Examiner Signature	de	R	Date Considered	5/22/07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unque citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

. -

Application Number 10/614,765

Filing Date July 7, 2003

First Named Inventor Paul C. Kocher

Group Art Unit 2134

Complete if Known

(use as many sheets as necessary) Examiner Name Gregory Allan Morse
Sheet 1 of 1 Attorney Docket Number 44424162-8736

U.S. PATENT DOCUMENTS							
Cite No. ¹	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	US 2002/0141582 A1	10/3/2002	Kocher et al.				
				· · · · · · · · · · · · · · · · · · ·			
		Cite Document Number No.1 Number-Kind Code ^{2 (if known)}	Cite Document Number Publication Date No.1 Number-Kind Code ^{2 (if known)} MM-DD-YYYY	Cite Document Number Publication Date Name of Patentee or Applicant of Cited Document No.1 Number-Kind Code ^{2 (if known)} MM-DD-YYYY Applicant of Cited Document			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Number Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆	
· —						_	
· · · · · · · · · · · · · · · · · · ·							

Examiner Signature	Date 5/22/07 Considered
--------------------	-------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unque citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

titute for form 1449A/PTO

Complete if Known 10/614,765 **Application Number** July 7, 2003 Filing Date Paul C. Kocher **First Named Inventor** 2134 **Group Art Unit**

(use as many sheets as necessary)

Gregory Allan Morse **Examiner Name** Sheet of 44424162-8736 **Attorney Docket Number**

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY .	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
JP		5,191,611	03/02/1993	Gerald S. Lang	3		
		5,392,351	02/21/1995	T. Hasebe et al.			
		5,638,443	06/10/1997	Mark J. Stefik et al.			
V		6,314,409 B2	11/06/2001	Paul B. Schneck et al.			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Number Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Le	
·- h .							
 .	<u> </u>						
						-	

Examiner (Signature	fr 2	Date Considered	5/22/02
		<u> </u>	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unque citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing. and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

Substit	Substitute for form 1449A/PTO		Complete if Known		
			NOV 0 8 2004 8	Application Number	10/614,765
INFO	RMATION DI	SCI	OSURE 1	Filing Date	July 7, 2003
STA	TEMENT BY	APP	LYCANT RADENS ON THE	First Named Inventor	Paul C. Kocher
			AUEINO	Group Art Unit	2131
•	(use as many sh	eets	as necessary)	Examiner Name	not yet known
Sheet	1	of	2	Attorney Docket Number	44424162-8736

			S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
71		* 4,598,288	07/1/1986	Yarbrough et al.	
4		* 5,315,448	05/24/1994	Ryan	
		* 5,323,244	07/21/1994	Yamaguchi et al.	
	•	* 5,343,527	08/30/1994	Moore	
		* 5,418,853	05/23/1995	Kanota	
		* 5,450,489	09/12/1995	Ostrover, et al.	
		* 5,513,260	04/30/1996	Ryan	•
		* 5,574,787	11/12/1996	Ryan	
		* 5,590,194	12/31/1996	Ryan	
	•	* 5,606,612	02/25/1997	Griffin, et al.	
		* 5,613,004	03/18/1997	Cooperman et al.	
		* 5,646,999	07/8/1997	Saito	
		* 5,687,236	11/11/1997	Moskowitz et al.	
	•	* 5,822,436	10/13/1998	Rhoads	
V		* 5,862,218	01/19/1999	Steinberg Eran	
	· · · · · · · · · · · · · · · · · · ·		-		

		FOREIG	N PATENT DOC	UMENT	S	
Examiner Initials*	Cite No.1	Foreign Patent Number Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document Amir Herzberg, DE		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
30		EP 0 717 337 A1	06/19/1996			
Examii Signat		62			Date Considered	5/22/07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unque citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. The Indication of the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerca, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Please type a plus sign (+) inside this box ™

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control no.

Substitute for form 1449B/PTO				Complete if Known		
				Application Number	10/614,765	
INFORMATION DISCLOSURE				Filing Date	July 7, 2003	
STATEMENT BY APPLICANT			LICANT	First Named Inventor	Paul C. Kocher	
				Group Art Unit	2131	
	(use a	s many sheet	s as necessary)	Examiner Name	not yet known	
Sheet	2	of	2	Attorney Docket Number	44424162-8736	

		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TI		ANDERSON, Ross, (Ed.), "Information Hiding," Lecture Notes in Computer Science, First International Workshop, Cambridge, U.K., May 30 - June 1, 1996 Proceedings, Springer.	
31		SIMMONS, Gustavus, "Contemporary Cryptology," IEEE Press 1991.	

Examiner Signature	do	2	Date Considered	5/27/07

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.